

# STP-LOCAL LESSONS LEARNED

McHenry County Council of Mayors Meeting

November 19, 2020

# AGENDA

- Overview of methodology
- Analysis of scoring
- Methodology Review Committee

Throughout: we'll be looking at possible areas of improvement that staff have noticed.

# PREVIOUS METHODOLOGY

# PROJECT TYPES

## ROADWAY & INTERSECTION

- Intersection Channelization
- Roadway Widening
- New Roadway Construction
- Roadway Reconstruction
- Traffic Signals, Modifications, and/or modernization
- Bicycle or Pedestrian Facilities
- Modern Roundabout (including mini roundabouts)

## RESURFACING

- LAFOs
- Resurfacings

## PROJECT TYPES

Any other project types that should be included?

## SPECIFIC POLICIES

- \$1.5 million cap
- Two project limit per community
- Funding eligibility
  - Phase I, 50/50
  - Phase II, 50/50
  - ROW, not funded
  - Construction, 80/20
- Community Cohorts for equity criteria
  - Cohort 1 – 0 points
  - Cohort 2 – 4 points
  - Cohort 3 – 5 points
  - Cohort 4 – 6 points

## SPECIFIC POLICIES

Any modifications to existing policies that you'd like to see?

Any additional policies?

Any policies that should be removed?

# SCORING CRITERIA

## Project Evaluation Criteria - Roadways and Intersection Projects

Project Scoring Categories	100 points total	
Roadways and Intersection Projects		
1. Traffic Volume – Average Daily Traffic (ADT) (15 points max)	Two Lane Road	Four Lane Road
	$\frac{ADT}{1000} = \text{Points}$	$\frac{ADT}{2000} = \text{Points}$
2. Safety Need (12 points) Based on IDOT Safety Tiers (SRI)	Critical	+12
	High	+9
	Medium	+6
	Low	+3
	Minimal	0
3. Safety Improvement (4 points) Based on the maximum crash reduction factor (CRF) associated with proposed project countermeasures	Above 50%	4
	36%-49%	3
	26%-35%	2
	15%-25%	1
	Under 15%	0
4. Pavement Condition (9 points) Based on the Pavement Condition Testing done by CMAP (IRI, Cracking_Percent, rutting and faulting)	Pavement Condition	Point Value
	Poor (0-45)	+9
	Fair (46-60)	+6
	Satisfactory (61-75)	+3
	Excellent (76-100)	0
5. Multi-modal Infrastructure Components (14 points max)	New Alignment	+3
	Bicycle and Pedestrian Infrastructure	Cumulative Points
	Project includes multi-use path	+7
	Project includes on-street bike lanes	+7
	Project includes marked shared lanes	+4
	Project includes sidewalk	+7
6. Project Readiness (15 points)	Project adds new bus shelters	+3
	Phase II engineering complete (pre-final plans submitted to IDOT)	+15
	Phase II engineering contract executed	+12
	Phase I engineering report completed; Design approval granted	+9
	Phase I engineering report (PDR) draft submitted to IDOT	+6
	Phase I engineering contract entered into by project applicant	+3
7. Community Cohort (6 points) McHenry County is considered to be in Community Cohort 1	Community Cohort 4	+6
	Community Cohort 3	+5
	Community Cohort 2	+4
	Community Cohort 1	0
8. ON TO 2050 Planning Measures (25 points)	Project sponsor has adopted a complete streets policy or ordinance	+10
	Project uses green infrastructure to manage stormwater*	+15

Total: \_\_\_\_\_

## Project Evaluation Criteria – Resurfacing Projects (LAFO)

Project Scoring Categories	100 points total	
Resurfacing Projects		
1. Pavement Condition (30 points) Based on the Pavement Condition Testing done by CMAP (IRI, Cracking_Percent, rutting and faulting)	Pavement Condition	Point Value
	Fair (46-60)	+30
	Satisfactory (61-75)	+20
	Poor (0-45)	+10
2. Project Readiness (10 points)	Excellent (76-100)	0
	Phase II engineering complete (pre-final plans submitted to IDOT)	+10
	Phase II engineering contract executed	+8
	Phase I engineering report completed; Design approval granted	+6
	Phase I engineering report (PDR) draft submitted to IDOT	+4
3. Traffic Volume – Average Daily Traffic (ADT) (15 points max)	Phase I engineering contract entered into by project applicant	+2
4. Safety Need (8 points) Based on IDOT Safety Tiers (SRI)	Two Lane Road	Four Lane Road
	$\frac{ADT}{1000} = \text{Points}$	$\frac{ADT}{2000} = \text{Points}$
5. Bicycle Accommodations (6 points) Project adds or includes bicycle facilities such as bike lanes, widened shoulders, or other bicycle safety measures.	Critical	+8
	High	+6
	Medium	+4
	Low	+2
	Minimal	0
6. Community Cohort (6 points) McHenry County is considered to be in Community Cohort 1	Community Cohort 4	+6
	Community Cohort 3	+5
	Community Cohort 2	+4
	Community Cohort 1	0
7. ON TO 2050 planning measures (25 points)	Project sponsor has adopted a complete streets policy or ordinance	+15
	Project uses green infrastructure to manage stormwater*	+10

Total: \_\_\_\_\_



## SCORING CRITERIA

What changes would you like to see with the scoring criteria?

## OTHER AREAS OF IMPROVEMENT

Is there anything else we should be thinking about?

# SCORING AND COHORTS

# ROADWAY/INTERSECTION PROJECTS

## 10 TOTAL PROJECTS

Criterion	Average Points	Maximum Points
Traffic Volume	7.1	15
Safety Need	3.3	12
Safety Improvement	2.4	4
Pavement Condition	5.1	9
Multi-modal Infrastructure	9.1	14
Project Readiness	7.5	15
Community Cohort	2	6
Planning Measures	23.5	25
<b>Total</b>	<b>60.00</b>	<b>100</b>

# RESURFACING PROJECTS

## 16 TOTAL PROJECTS

Criterion	Average Points	Maximum Points
Pavement Condition	25	30
Project Readiness	3.875	10
Traffic Volume	4.3	15
Safety Need	1.625	8
Bicycle Accommodations	2.625	6
Community Cohort	1.875	6
Planning Measures	21.25	25
<b>Total</b>	<b>60.53</b>	<b>100</b>

# COMMUNITY COHORTS

## 2019

Cohort 1	Cohort 2	Cohort 3	Cohort 4
Algonquin	Bull Valley	Lakemoor	Greenwood
Barrington Hills	Fox River Grove	Marengo	Harvard
Cary	Port Barrington	Oakwood Hills	Hebron
Crystal Lake	Ringwood	Wonder Lake	Holiday Hills
Huntley	Spring Grove		McCullom Lake
Johnsburg	Trout Valley		Richmond
Lake in the Hills	Union		
Lakewood	Woodstock		
McHenry			
Prairie Grove			

## PROJECTS BY COMMUNITY COHORT

Cohort	Municipalities with Applications	Number of Applications	Number of Roadway Projects	Number of Resurfacing Projects	Number Awarded Funding
1	7	16	6	10	13
2	4	4	1	3	4
3	2	2	2	0	1
4	3	4	1	3	3

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## PROJECTS BY COMMUNITY POPULATION

Population	Municipalities with Applications	Number of Applications	Number of Roadway Projects	Number of Resurfacing Projects	Percent Awarded Funding
Under 1,000	2	2	1	1	100
1,001-5,000	5	6	0	6	100
5,001-10,000	4	5	2	3	60
10,001-15,000	n/a	n/a	n/a	n/a	n/a
15,001-20,000	n/a	n/a	n/a	n/a	n/a
20,001-25,000	n/a	n/a	n/a	n/a	n/a
25,001-30,000	4	8	2	6	75
30,000 or more	2	5	5	0	60

# REVIEW COMMITTEES

# METHODOLOGY REVIEW COMMITTEE COUNCIL MEMBERS

- Last year's methodology was approved in September
- Need Council members to join the review committee
- Committee will review:
  - Scoring criteria
  - Point values
  - Project eligibility
- Last year, the Committee met in March, April, and June
  - Proposed schedule: January, March, May, July, prior to that month's MCCOM meeting

## METHODOLOGY REVIEW COMMITTEE COUNCIL MEMBERS

- **January meeting:** establish schedule, discuss previous call and methodology, think about potential goals for 2022
- **March meeting:** review project type eligibility, phase funding eligibility, other eligibility criteria
- **May meeting:** review scoring criteria to keep, modify, add, or remove
- **July meeting:** review point values for scoring criteria
- **Approval in September**
- Staff will provide supplemental information for each meeting.

## METHODOLOGY REVIEW COMMITTEE CONSULTANTS

- **February:** update on what Council members talked about in January, discuss last year's methodology and areas for improvement
- **April:** discuss bigger picture issues such as concerns with project eligibility, policies, etc.
- **August:** review scoring criteria and point values based on Council member feedback

THANK YOU!